GOVERNMENT OF INDIA
SPACE
LOK SABHA

UNSTARRED QUESTION NO:1427
ANSWERED ON:27.11.2002
LAUNCH OF PSLV C SATELLITE
RENUKA CHOWDHURY

Will the Minister of SPACE be pleased to state:

(a) whether the Meteorological Satellite PSLV−C4 had been successfully launched and placed in geosynchronous transfer orbit;

(b) if so, the main features of the satellite; and

(c) the extent to which success has been achieved in the mission?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF SMALL SCALE INDUSTRIES, MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS, MINISTRY OF PLANNING, DEPARTMENT OF ATOMIC ENERGY AND DEPARTMENT OF SPACE (SMT.VASUNDHARA RAJE)

(a) Yes, Sir. The Meteorological Satellite (METSAT), has been successfully launched by the launch vehicle PSLV-C4 into geo-synchronous transfer orbit on September 12, 2002.

(b) The METSAT is a dedicated satellite for meteorology. The satellite carries a Very High Resolution Radiometer (VHRR), which is designed to obtain images of earth cloud cover in the visible, thermal, infrared and water vapour channels, enabling continuous round-the-clock monitoring of weather system. The Data Relay Transponder (DRT) in the satellite enables collection of meteorological data from remote and inaccessible areas over land.

(c) The achievements of the mission are as follows:

(i) The geosynchronous launch capability of PSLV has been successfully demonstrated.

(ii) For the first time, a dedicated meteorology satellite which provides more clear satellite images and data and also meteorological data from remote and inaccessible areas, round-the-clock, enabling better weather predictions, has been orbitted.